

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A-2142

Date:- 04-11-2023

NAME OF SITE

GRAM PANCHAYAT- Loharapura BLOCK- Dahagawan DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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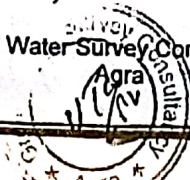
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- LOHARAPURA, BLOCK- DAHAGAWAN, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 145 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 04.Nov.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Fine sand & kankar	
3.	20 - 26	6	Clay kankar	
4.	26 - 37	11	Medium sand	Medium
5.	37 - 42	5	Clay kankar	
6.	42 - 45	3	Fine sand	Medium
7.	45 - 58	13	Clay kankar	
8.	58 - 82*	24	Medium sand	Medium
9.	82 - 90	8	Clay kankar	
10.	90 - 97*	7	Fine sand	Medium
11.	97 - 110	13	Clay kankar	
12.	110 - 130*	20	Medium sand	Medium
13.	130 - 140	10	Clay kankar	

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Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tube well.
3. The Quality of water is expected Medium.
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

Geophysicist



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Rno 8
N16 SMX
N64Q10
LAT
Logging Details
1099 m CT Loggers Box
Dharmas Bumi 1, Medan
UP OCEANIGP
24 Nov 2013
12.28
Universi Sumatera Utara

Logge SI Hz
10/15/01/21-22

SP (m V)
Upper Model
DNR 2
Upper Channel B
GROUND WATER
SURVEY
CONSULTANCY
AGRA UP Jember

